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REMARKS

The Office Action of June 19, 2001 has been reviewed and carefully considered.

Claims 11 and 12 have been cancelled, and new claims 19 to 21 have been added.

Claims 1 to 10 and 13 to 21 are now pending.

Reconsideration of the above-identified application, as herein amended, is respectfully requested.

At the outset, appreciation is expressed for the Examiner's allowance of claims 1 to 10 and 13 to 18.

In that regard, it is noted that the Examiner has nevertheless objected to certain wording in independent claims 1 and 13. Specifically, in each of those two claims the Examiner has requested that the phrase "said other color" be changed to "said another color", and that change has been made in each of claims 1 and 13.

With further respect to claim 13, the Examiner has further requested that the phrase "the aircraft system" in the final paragraph of claim 13 be changed to "said aircraft instruments". It is not believed, however, that that change is appropriate.

Applicant points out that claim 13 is directed to a circuit for controlling a flat panel display that displays, on simulated aircraft instruments, data related to *aircraft system parameters* gathered from *aircraft instruments* and indicia... The final paragraph of claim 13 recites a third central processor that receives data from aircraft instruments related to the aircraft system parameters and for interrogating the *aircraft systems* with simulated flight data on a statistical basis to build a data base of statistical measurements of the *aircraft systems* for maintenance and diagnostic purposes. It is the "*aircraft systems*" that have certain associated parameters (based on performance (for example) of the aircraft), which parameters are in turn gathered from the *aircraft*

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*instruments* for display. It is the *aircraft systems* which are interrogated with simulated flight data so that the *aircraft instruments* will generate data (from the aircraft systems) for use in evaluating the integrity of the display system. Accordingly, it is believed that the phrase "aircraft systems" is indeed proper in that final paragraph of claim 13. Moreover, because the "aircraft systems" are identified in the preamble of the claim (with respect to the parameters of the aircraft systems), there is sufficient antecedent basis in the claim to support the recitation of the final paragraph of claim 13.

Also in the Office Action, claims 11 and 12 were rejected under 35 U.S.C. §103(a) as allegedly unpatentable over Tham et al. (U.S. Patent No. 5,912,656). Claims 11 and 12 have now been cancelled and, accordingly, no discussion of that rejection (or of the cited Tham et al patent) is deemed necessary at this time.


Finally, additional claims 19 to 21 have been added to the application and are believed to recite the subject matter thereof in a way which clearly distinguishes over the prior art.

In view of the foregoing, reconsideration of the above-identified application, allowance of newly-submitted claims 19 to 21, and early passage of the case to issue are once more requested.

Respectfully submitted,

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**AMENDMENTS TO THE SPECIFICATION AND CLAIMS SHOWING CHANGES**

**In the Specification:**

On page 11, line 3, change "multitplexing" to --multiplexing--.

**In the Claims:**

Claims 1 and 13 are amended as follows:

--1. (Amended) A flat panel display system for displaying data relating to aircraft system parameters from corresponding aircraft instruments to a flight crew in a cockpit of an aircraft, comprising:

a flat panel display for visually displaying the aircraft system parameters on simulated instruments found on the flat panel display and for displaying indicia that said data is being received related to the aircraft system parameters from corresponding aircraft instruments;

a first central processor for receiving said data from the aircraft instruments measuring said aircraft system parameters;

a first graphics generator operatively coupled to the first central processor for generating a first set of color data as a function of the data received by the first central processor and for outputting the first set of color data to the flat panel display so that the flat panel display can form the simulated instruments and the indicia;

a second central processor for receiving said data from the aircraft instruments measuring said aircraft system parameters; and

a second graphics generator operatively coupled to the second central processor for generating a second set of color data as a function of the data received by the second central processor and for outputting the second set of color data to the flat panel display in a different color than said first set of color data so that the flat panel display can form with the output from

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the first graphics generator the simulated instruments and the indicia wherein said indicia is of another color different from the colors of said first and second sets of color data,

wherein when either of the first and second set of color data is not output to the flat panel display, the indicia on the flat panel display is in a color different from said [other] another color.--

--13. (Amended) A circuit for controlling a flat panel display that displays on simulated aircraft instruments data related to aircraft system parameters gathered from aircraft instruments and indicia that show that the data is being received by the flat panel display, comprising:

a first central processor for receiving said data from the aircraft instruments measuring said aircraft system parameters;

a first graphics generator operatively coupled to the first central processor for generating a first set of color data as a function of the data received by the first central processor and for outputting the first set of color data to the flat panel display so that the flat panel display can form the simulated instruments and the indicia;

a second central processor for receiving said data from the aircraft instruments measuring said aircraft system parameters;

a second graphics generator operatively coupled to the second central processor for generating a second set of color data as a function of the data received by the second central processor and for outputting the second set of color data to the flat panel display in a different color than said first set of color data so that the flat panel display can form with the output from the first graphics generator the simulated instruments and the indicia wherein said indicia is of

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another color different from the colors of said first and second sets of color data,

wherein when either of the first and second set of color data is not output to the flat panel display, the indicia on the flat panel display is in a color different from said [other] another color; and

a third central processor for receiving data from aircraft instruments related to the aircraft systems parameters and for interrogating the aircraft systems with simulated flight data on a statistical basis to build a database of statistical measurements of the aircraft systems for maintenance and diagnostic purposes.—